

File No.: 14836-8US-1 AD/mb

Montreal, Canada  
March 9, 2004

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Applicant: MICROBRIDGE TECHNOLOGIES INC.  
Serial No.: (unknown)  
Filed: (unknown)  
Title: METHOD FOR TRIMMING RESISTORS  
Group Art Unit: --  
Examiner: --  
Agent of Record: James Anglehart Tel: (514) 847-4244

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MAIL STOP – DD  
U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
U.S.A.

**INFORMATION DISCLOSURE STATEMENT**  
**PRIOR TO FIRST OFFICE ACTION**

Sir:

Pursuant to the duty of disclosure under 37 CFR 1.56, copies of the references listed on the attached PTO Form SB-08A-B are submitted herewith.

The references were cited in an International Search Report (ISR) mailed on **January 15, 2004** by the EPO in connection with a corresponding PCT application. A copy of the ISR is also enclosed.

In accordance with 37 CFR 1.97(h), the submission of the present information is not to be construed as an admission that such information is, or is considered to be material to patentability.

U.S. Patent and Trademark Office

The Examiner is kindly requested to consider these references during the examination of the above-identified application, making the references of record, and to return an initialed copy of the SB-08A-B Form to the below-signed agent.

Respectfully submitted,

MICROBRIDGE TECHNOLOGIES INC.

By:



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Enc.: Copies of references and International Search Report  
2 sets of SB-08A-B Form

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Substitute for form 1449PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number		
			Filing Date		
			First Named Inventor	Oleg GRUDIN et al.	
			Art Unit		
Examiner Name					
Sheet	1	of	2	Attorney Docket Number	14836-8US-1 AD/mb

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number – Kind Code <sup>2</sup> (if known)			
		US-4,472,239	18 Sep. 1984	Robert E. Higashi et al.	
		US-5,635,893	3 June 1997	Renwin J. Yee et al.	
		US-5,466,484	14 Nov. 1995	Gary L. Spraggins et al.	
		US-5,679,275	21 Oct. 1997	David M. Susak et al.	
		US-4,870,472	26 Sep. 1989	Robert L. Vyne	
		US-6,184,494	6 Feb. 2001	Arto Isokoski et al.	
		US-5,742,307	21 Apr. 1998	William G. Hawkins	
		US-4,210,996	Jul. 8, 1980	Yoshihito Amemiya et al.	
		US-4,782,202	Nov. 1, 1988	Takafumi Endo et al.	
		US-2002/033519	Mar. 21, 2002	Jeffrey A. Babcock et al.	
		US-6,255,185	Jul. 3, 2001	Douglas D. Coolbaugh et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> – Number <sup>4</sup> – Kind Code <sup>5</sup> (if known)				
		WO03/023794	Mar. 20, 2003	Oleg Grudin et al.		
		EP 1 275 967	Jan. 15, 2003	Honeywell Inc.		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

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Substitute for form 1449PTO				<b>Complete if Known</b>	
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				Art Unit	
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	14836-8US-1 AD/mb

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Pulse Current Trimming of Polysilicon Resistors, D.W. Feldbaumer et al., IEEE Transactions on Electron Devices, IEEE, N.Y., USA, Vol. 42, N° 4, pp. 689-696.	
		Dopant Segregation in Polycrystalline Silicon, Mandurah et al., Journal Appl. Phys. 51(11), November 1980, pp. 5755-5763.	
		Spin-on Nanoparticle Tin Oxide for Microhotplate Gas Sensors, R. E. Cavicchi et al. Sensor and Actuators B. Elsevier Sequoia, S.A. Lausanne, CH, Vol. 77, No. 1-2, June 15, 2001, pp. 145-154.	
		A characterization of the Thermal Parameters of Thermally Driven Polysilicon Microbridge Actuators Using Electrical Impedance Analysis, Jae-Youl Lee et al., Sensors and Actuators A., Elsevier Sequoia S.A., Lausanne, CH. Vol. 75, No. 1, May 4, 1999, pp. 86-92.	
		Fabrication of Thermal-Isolation Structure for Microheater Elements Applicable to Fingerprint Sensors, Hans Ji-Song et al., Sensors and Actuators A., Elsevier Sequoia S.A., Lausanne, CH, Vol. 100, No. 1, Aug. 15, 2002, pp. 114-122.	

Examiner Signature		Date Considered	
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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